

416-20



***Impossible?***



"Cut light helicopter  
operating costs in half?"

"Impossible" they said.

But the TH-55A Primary Trainer  
conclusively demonstrated these  
savings at Ft. Wolters.

*(It set the  
world endurance  
record besides.)*



ARMY 512916

"Carry a pilot plus 5 troops  
in full field gear?"

Self-retrieve a complete  
helicopter?

Exceed 170 mph?

Provide a ferry range of  
1400 miles?

All with 250 Horsepower  
and a 26 foot rotor?

Impossible!" They said.  
But the OH-6A does all this

*(also Hughes guarantees  
maintenance of .55  
man hours per flight hour.)*



170/  
135.4

"No gear boxes?"

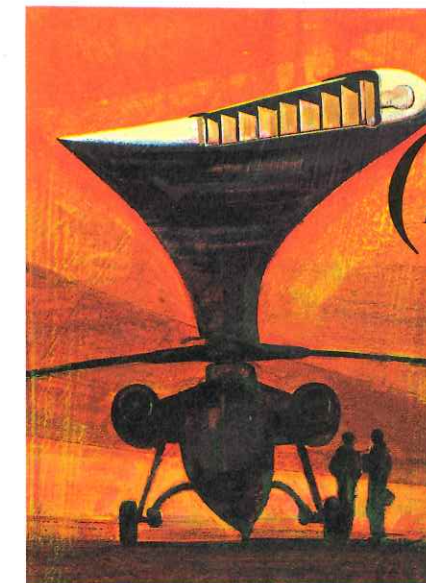
No shafting?

No tail rotor?

Useful load capacity twice  
its own empty weight?"

This was "Impossible" too.  
Except that the Hughes XV-9A  
proved it in one of the most  
successful research vehicle  
programs ever conducted.

*(see the next  
page for what its  
Hot Cycle  
Propulsion System  
will do.)*

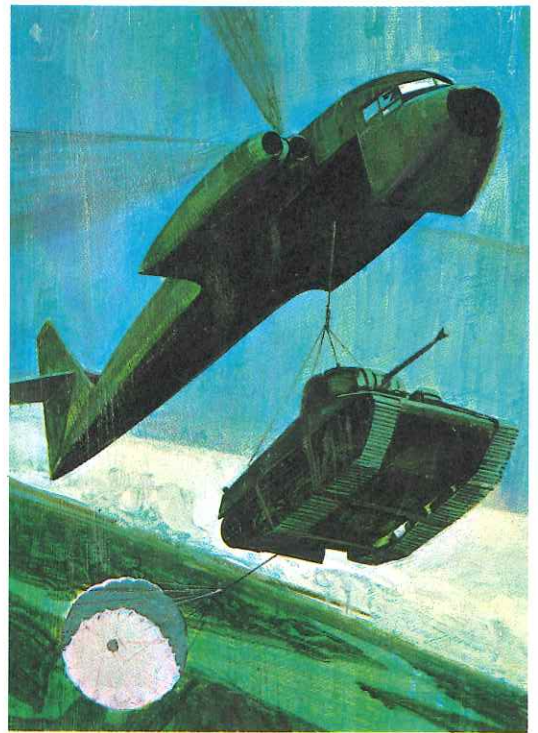


**HUGHES HELICOPTERS** -A success story  
based on guaranteeing the "impossible."





Helicopters that fly 500 mph ...



**Flying cranes  
able to lift 3 times  
their own weight.**

The Hughes XV-9A proved that both are possible. The Hot Cycle Propulsion System is the key. Light in weight. Efficient. Above all *simple*. Replaces complex mechanical drives with a pneumatic drive. Opens up a whole new era in flight!

## ENGINEERS: THE FUTURE IN VTOL IS AT HUGHES TOOL

Unusual professional opportunities exist at Hughes for the following engineers:

- STRUCTURES ANALYSIS
- PERFORMANCE ANALYSIS
- STABILITY ANALYSIS
- DYNAMICS ANALYSIS
- FLIGHT TEST
- TEST INSTRUMENTATION
- STRUCTURES DESIGN
- MECHANISM DESIGN
- ROTOR BLADE DESIGN

We invite your inquiry on these immediate assignments. Please airmail your resume in confidence to: Mr. G. F. Michels, Employment Manager.

*U.S. Citizenship Required*  
An equal opportunity employer

**HUGHES TOOL COMPANY / AIRCRAFT DIVISION**



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*Placed in  
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June 1968  
E.H.A.*